



LOW CE GROUT®

Use as Injection Material to Repair Old and Heritage Structures

Description

LOW CE GROUT is a one component, non-shrink, waterproof, OPC Free, Lime Based injection mortar / grout, which can be used as a fill material and to stabilize voids for a variety of repair operations, in old or Heritage structures, where the need for a reasonably waterproof fill material exists. LOW CE GROUT ensures controlled strength development and excellent bond to offer a restored substrate that can be utilized in a reasonably short time and a reasonably, waterproof and crack free protection is obtained.

Uses

- Ready to use, just mix water and apply
- Used as a injection grout, fill material or as a binder for different applications in soil stabilization or heritage repair
- As a fill material between masonry walls
- As injection grout into damaged masonry walls
- As a binder for heritage fill mortars or lime terracing

Advantages

- Non-Shrink, Waterproof, Crack Resistant & OPC Free
- Breathable Lime based binder for Heritage Structures
- Reasonably waterproof and water resistant
- Needs minimal curing, air cures by lime carbonation
- Non segregating, stable
- Traditional Lime based system, incorporating modern chemistry for easy application
- Can be Customised to site requirements

GROUT

Redwop®

Technical Information

Properties	Results
Appearance	Off-white powder
Sp. Gravity	1.7 ± 0.05
Pot life	25 to 30 minutes
Setting time	4 to 8 hrs. (at ambient temperatures)
Compressive strength	~ 5N/mm ² @ 28 days
Flexural Strength	~ 0.5N/mm ² @ 28 days

Method of Application

- Completely remove the plaster / render in the affected area. Clearly mark out the areas to be injection grouted / filled. Holes about 12-15 mm in diameter are drilled in a zig zag pattern at an angle of 30 to 45° from the horizontal. In case, thickness of wall is more than 50 cm drill the wall from both sides. Keep vertical and horizontal spacing between the hole is 1/2 the thickness of wall. In any case, do not exceed the spacing beyond 30 cm. Clean the drill holes using compressed air or flushing with water..

Insert plastic packers or tubes into the drilled holes and secure them with a cement putty. LOW CE GROUT can then introduced through the packers into the wall at a low pressure pump. Repeat the process to ensure complete fill. Remove the packers and seal the holes with a polymer modified mortar. Allow the wall to dry out completely over the next few weeks. After drying, the wall can be treated as a crystallization based coating.

Weigh out the water and LOW CE GROUT. Add LOW CE GROUT in water and mix mechanically for 2 to 3 minutes to get a smooth mixture. Add water if required, to get the correct consistency. The material will normally cure by hardening and carbonation. For best result use complete bag of LOW CE GROUT.

Packaging

- LOW CE GROUT is supplied in 25 kg bags

Storage

- LOW CE GROUT has a minimum shelf life of 12 months. Store in a cool and dry area away from sunlight.

REDWOP CHEMICALS PVT. LTD.

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